

Generic Names of the *Recurvaria* Group (Lepidoptera: Gelechiidae)

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In Freeman's (1960) discussion of the genus *Recurvaria*, he stated that most of the North American species described in *Recurvaria* are not congeneric with the type-species of the genus, *R. nanella* (Denis & Schiffermüller); and he proposed that *Evagora* Clemens, the type-species of which is congeneric with many of our species, be used as the valid generic name; however, *Evagora* Clemens, 1860 is preoccupied by *Evagora* Péron & Lesueur, 1810. In 1963 Freeman described a new genus *Pulicalvaria* for six species of the group in question.

Work on a revision of the Nearctic Gelechiidae has shown the following relationships for this group: *Coleotechnites* Chambers is an available name for most of the North American species presently placed in *Recurvaria*; *Eucordylea* Dietz and *Pulicalvaria* are synonyms of *Coleotechnites*; *Sinoe* Chambers is distinct from both *Coleotechnites* and *Recurvaria*; and some species presently retained in *Recurvaria* belong to other genera, both described and new. The reasons for these statements will be presented later; however, in order to make the combinations available, the synonymy of the generic names of the *Recurvaria* group and their type-species as well as those combinations for which accurate species determinations can be made are presented.

RECURVARIA Haworth, *Lepidoptera Britannica*, 547, [1828].

Type-species: *Tinea nanella* Denis and Schiffermüller, [1775].

Designated by Walsingham, in Godman and Salvin, *Biologia Centrali-Americana* 42 (Lepidoptera Heterocera, 4): 43, 1910.

TELEA Stephens, *Illustrations of British Entomology*, *Haustellata* 4: 244, 1834. Preoccupied by *Telea* Hübner, 1819.

Type-species: (*Phalaena Tinca leucattella* Linnaeus, 1761) = [*Phalaena*] *leucattella* Clerck, 1759. Designated by Westwood, Introduction to the modern classification of insects 2: 113 (Synopsis), 1840.

APHANAULA Meyrick, A handbook of British Lepidoptera, 579, 1895.

Type-species: [*Phalaena*] *leucattella* Clerck, 1759. Designated by Meyrick, in Wytsman, Genera Insectorum. Lepidoptera Heterocera fam. Gelechiidae, 184: 57, 1925.

HINNEBERGIA Spuler, Die Schmetterlinge Europas 2: 358, 1910.

Type-species: [*Phalaena*] *leucattella* Clerck, 1759. Monobasic.

R. nanella (Denis and Schiffermüller), [1775].

R. leucattella (Clerck), 1759.

The following species are retained in *Recurvaria* but may or shall be transferred when the group is revised: *graphicella* (Busck), 1908; *caanothiella* Braun, 1921; *francisca* Keifer, 1928; *consimilis* Braun, 1930; *stibomorpha* Meyrick, 1929; *taphiopsis* Meyrick, 1929; and *vestigata* Meyrick, 1929 (I have not seen authentic specimens of *vestigata*).

COLEOTECHNITES Chambers, Report of the [U. S.] Commissioner of Agriculture for 1879, 206, 1880.

Type-species: *Colcotechnites citriella* Chambers, 1880. Monobasic.

EVAGORA Clemens, Proc. Acad. Nat. Sci. Philadelphia 165, 1860. Preoccupied by *Ezagora* Péron & Lesueur, 1810.

Type-species: *Ezagora apicitripunctella* Clemens, 1860. Monobasic.

EIDOTHEA Chambers, Canad. Ent. 5: 186, 229, 1873. Preoccupied by *Eidothea* Risso, 1826.

Type-species: (*Eidothea vagatioella* Chambers, 1873) = *Gelechia* (*Telcia*?) *dorsivittella* Zeller, 1873, Monobasic.

EIDOTHOA Chambers, Canad. Ent. 5: 186, 1873. *Lapsus calami*.

EUCORDYLEA Dietz, Ent. News 11: 349, 1900. New synonymy.

Type-species: *Eucordylea atrupictella* Dietz, 1900. Monobasic.

PULICALIARIA Freeman, *Canad. Ent.* 95: 727, 1963, New synonymy.

Type-species: *Rccurvaria gibsonella* Kearfott, 1907. Original designation.

C. citriella Chambers, 1880 and the following new combinations in *Colcotechnites*: *alnifruetella* (Busck), 1915; *starki* (Freeman), 1957; *dorsivittella* (Zeller), 1873; *pinella* (Busck), 1906; *quercivorella* (Chambers), 1872; *biopes* (Freeman), 1960; *ardas* (Freeman), 1960; *lewisi* (Freeman), 1960; *resinosae* (Freeman), 1960; *milleri* (Busck); 1914; *moreonella* (Heinrich), 1920; *florae* (Freeman), 1960; *nigra* (Busck), 1903; *condignella* (Busck), 1929; *canusella* (Freeman), 1957; *apicitripunctella* (Clemens), 1860; *variella* (Chambers), 1872; *cryngiella* (Bottimer), 1926; *bacchariella* (Keifer), 1927; *piccaella* (Kearfott), 1903; *obliquistrigella* (Chambers), 1872; *juniperella* (Kearfott), 1903; *gibsonella* (Kearfott), 1907; *stanfordia* (Keifer), 1933; *australis* (Freeman), 1963; *atrupictella* (Dietz), 1900; *gallicola* (Busck), 1915; *clucidella* (Barnes and Busck), 1920; *mackiei* (Keifer), 1932; and *huntella* (Keifer), 1936.

SINOE Chambers, *Canad. Ent.* 5: 229, 1873.

Type-species: (*Sinoe fuscopalidella* Chambers, 1873) = *Anacamptis robinella* Fitch, 1859. Monobasic.

S. robinella (Fitch), 1859, new combination.

REFERENCES CITED

- FREEMAN, T. N. 1960. Needle-mining Lepidoptera of pine in North America. *Canad. Ent., Supplement* 16: 1-51.
- . 1963. Two new species of coniferous needle miners from Louisiana and the description of a new genus (Lepidoptera: Gelechiidae). *Canad. Ent.* 95: 727-730.